

In the Claims

The claims are as follows:

1. (Original) A door lock having a lock body, an outer handle for operating the lock from an outer side of the door, an inner handle for operating the lock from an inner side of the door, and a mechanism inside the lock body to allow the lock to have a passage mode wherein the lock is operable by either handle, a privacy mode wherein the lock is operable by the inner handle but not the outer handle, and a deadlock mode wherein the lock cannot be operated by the handles, the mechanism comprising an outer hub operatively associated with the outer handle, an inner hub operatively associated with the inner handle and a locking member movably engageable and disengageable with respect to the outer hub and the inner hub, characterised in that when the lock is in the deadlock mode the locking member is maintained in engagement with the hubs to prevent operation of the lock by the handles, and further characterised in that when the lock is in the privacy mode, engagement of the locking member with the hubs prevents operation of the lock by the outer handle but upon operation of the inner handle the locking member disengages with respect to the hubs thereby returning the lock to the passage mode wherein the locking member is disengaged with respect to the hubs.
2. (Original) The lock of claim 1, wherein the outer hub and the inner hub are positioned next to each other with the inner hub being positioned behind the outer hub and between the outer hub and the lock body.
3. (Currently Amended) The lock of ~~any one of claims 1 or 2~~ claim 1, wherein the outer hub and the inner hub are substantially planar in configuration and comprise members which are adapted for rotation in the lock body.
4. (Currently Amended) The lock of ~~any one of the preceding claims~~ claim 1, wherein the inner handle and the outer handle are interconnected by a rotatable interconnecting member.
5. (Original) The lock of claim 4, wherein the outer hub is attached to the interconnecting member such that rotation of the interconnecting member causes rotation of the outer hub.

6. (Original) The lock of claim 5, wherein rotation of the inner handle causes rotation of the inner hub.
7. (Currently Amended) The lock of ~~any one of the preceding claims~~ claim 1, comprising engagement means on the inner hub and the outer hub to allow the inner hub and the outer hub to engage with the locking member.
8. (Original) The lock of claim 7, wherein the engagement means comprises a recess in each hub.
9. (Currently Amended) The lock of ~~any one of the preceding claims~~ claim 1, wherein the locking member is movable between engagement with the hubs and disengagement with the hubs in a sliding manner or a rotating manner or a combination of a sliding and rotating manner.
10. (Original) The lock of claim 8, wherein the locking member is substantially plate like in configuration and contains a nose portion which is adapted for engagement with the inner hub and the outer hub.
11. (Currently Amended) The lock of ~~any one of the preceding claims~~ claim 1, wherein the locking member is movable between engagement with the hubs and disengagement with the hubs by an external member.
12. (Original) The lock of claim 11, wherein the external member is a snib mechanism which comprises an external snib on the inner side of the door which can be manipulated to move the locking member between engagement with the hubs and disengagement with the hubs.
13. (Original) The lock of claim 12, wherein the snib mechanism comprises a rotatable member containing an eccentric pin which is attached to the locking member such that a crank type mechanism is provided whereby rotation of the external snib causes reciprocal movement of the locking member.
14. (Original) The lock of claim 10, wherein the recess in the inner hub has a ramped surface whereby rotation of the inner hub causes the inclined surface to engage with the nose portion of the locking member to push the locking member out of engagement with the hubs.

15. (Currently Amended) The lock of ~~any one of the preceding claims~~ claim 1, comprising at least one lock cylinder.

16. (Original) The lock of claim 15 comprising two lock cylinders being an outer lock cylinder and an inner lock cylinder the inner cylinder being key operated from the inner side of the door and the outer cylinder being key operated from the outer side of the door.

17. (Original) The lock of claim 16, wherein the inner cylinder is operatively associated with the locking member such that operation of the inner cylinder operates the locking member between engagement with the hubs and disengagement with the hubs.

18. (Original) The lock of claim 17, wherein with operation of the inner cylinder to move the locking member into engagement with the hubs, the locking member is maintained in engagement with the hubs, thus placing the lock in the deadlock mode.

19. (Currently Amended) The lock of ~~any one of claims 16 to 18~~ claim 16, comprising a first drive member to drive the locking member between engagement with the hubs and disengagement with the hubs.

20. (Original) The lock of claim 19, wherein the inner cylinder has a cam, and the first drive member is rotatable and is operated by the cam of the inner cylinder such that insertion and rotation of a key in the inner cylinder causes rotation of the cam of the inner cylinder which in turn operates the drive member to move the locking member between engagement with the hubs and disengagement with the hubs.

21. (Currently Amended) The lock of ~~any one of claims 16 to 20~~ claim 16 comprising a mechanism to operate the lock between the deadlock mode and the passage mode from the outer side of the door, the mechanism comprising the outer cylinder which has a cam, the cam of the outer cylinder being rotated upon insertion and rotation of a key in the outer cylinder, the cam of the outer cylinder being operatively associated with the locking member such that operation of the outer cylinder moves the locking member between engagement with the hubs and disengagement with the hubs and whereby when the locking

member is moved into engagement with the hubs by operation of the outer cylinder, the locking member is maintained in engagement with the hubs, placing the lock in the deadlock mode.

22. (Original) The lock of claim 21, comprising a second drive member which is operatively associated with the cam of the outer cylinder such that rotation of that cam causes rotation of the second drive member.

23. (Original) The lock of claim 22, wherein the second drive member is operatively associated with the first drive member such that rotation of the second drive member causes rotation of the first drive member to cause the locking member to move from engagement with the hubs to disengagement with the hubs and vice versa.

24. (Currently Amended) The lock of ~~any one of the preceding claims~~ claim 1 comprising a motor in the lock body to operate components in the lock body.

25. (Original) The lock of claim 24, wherein the motor is actuated by a remote control means.

26. (Original) The lock of claim 25, wherein the lock comprises a receiver to sense the remote control means.

27. (Original) The lock of claim 26, wherein the motor is operatively associated with the locking member such that operation of the motor moves the locking member between engagement with the hubs and disengagement with the hubs.

28-31 (Cancelled)

32. (Original) A remote control lock which contains a mechanism to allow the lock to have a passage mode and/or a privacy mode and/or a deadlock mode, and remote control means to allow at least some of the modes to be operated by remote control.

33. (Original) A lock containing three separate modes being a deadlock mode, a privacy mode and a passage mode.